



CALIFORNIA
ECO RESTORE
A STRONGER DELTA ECOSYSTEM.



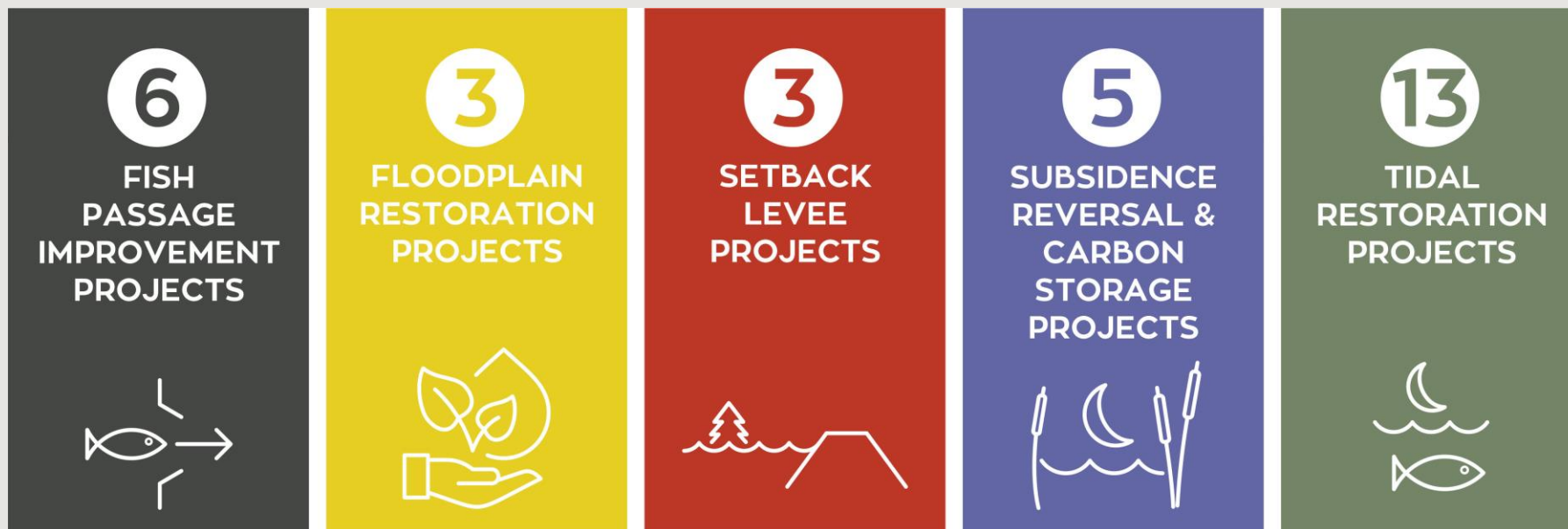
PROGRAM UPDATE

November 5, 2018



HABITAT RESTORATION GOALS

- Make progress on 30,000 acres by 2020
- Assist existing programs





CURRENT PROJECTS

2018

(Construction Underway or Beginning in 2018)

1	Decker Island
2	Dutch Slough
3	Fremont Weir Adult Fish Passage Modification
4	Hill Slough
5	McCormack Williamson Tract
6	Southport Levee Improvement (2017)
7	Tule Red (2016)
8	Yolo Flyway Farms

2019+

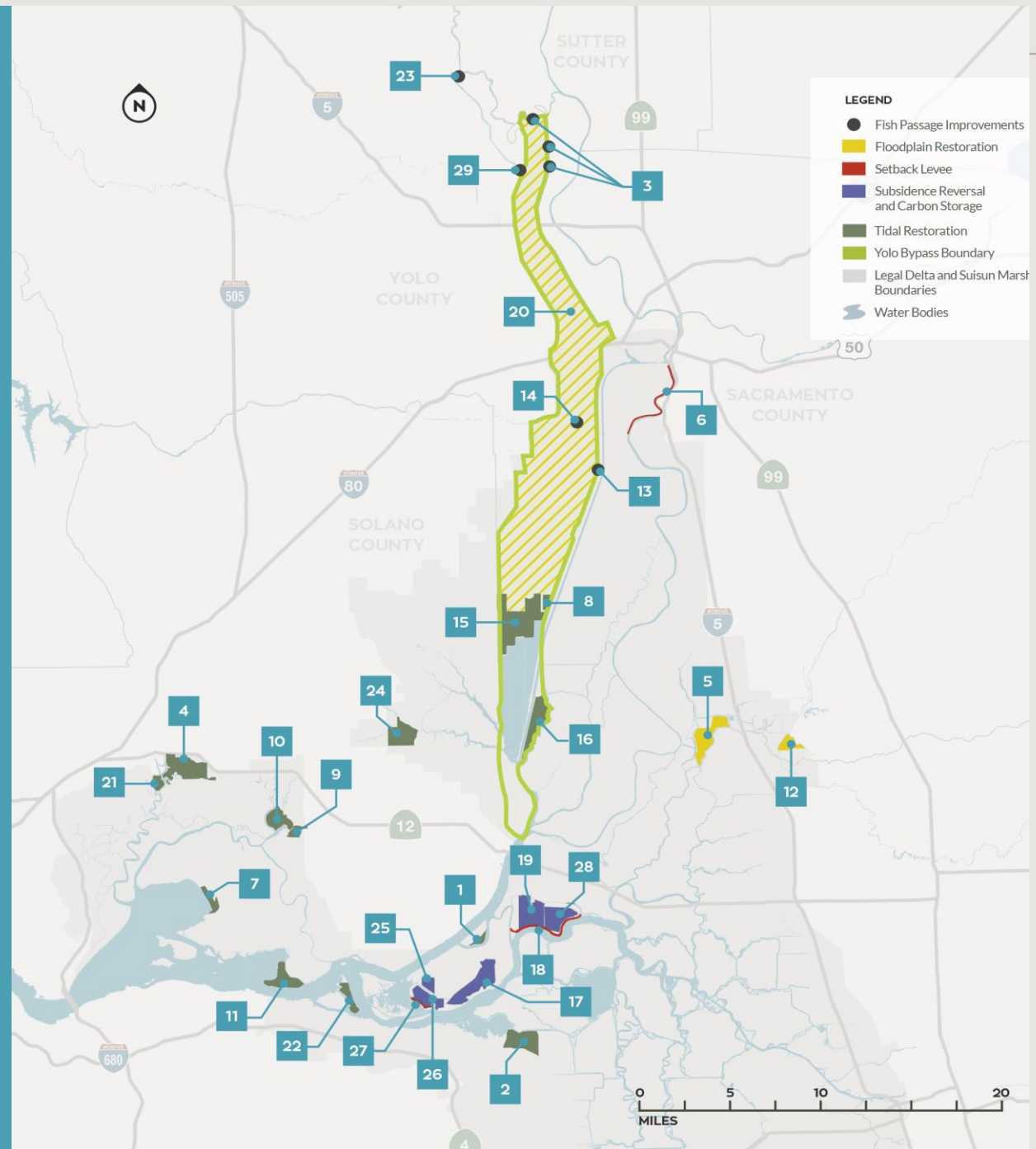
(Target Construction Start Dates)

9	Arnold Slough
10	Bradmoor Island
11	Chippis Island
12	Grizzly Slough
13	Lisbon Weir
14	Lower Putah Creek Realignment
15	Lower Yolo Ranch
16	Prospect Island
17	Sherman Island: Whale's Belly Wetland
18	Twitchell Island: Levee
19	Twitchell Island: West End
20	Yolo Bypass Floodplain Restoration
21	Wings Landing
22	Winter Island

COMPLETED

(Construction Completed)

23	Knights Landing Outfall Gate
24	Lindsey Slough
25	Sherman Island: Mayberry Farms
26	Sherman Island: Whale's Mouth
27	Sherman Island: Mayberry Slough
28	Twitchell Island: East End
29	Wallace Weir Fish Rescue Facility





PROJECTS STATUS

GOAL SETTING /
SITE SELECTION

LAND
ACQUISITION /
CONTRACTING

Lower Yolo Ranch

RESTORATION
PLANNING, DESIGN
AND PERMITTING

Arnold Slough
Bradmoor Island
Chipps Island
Grizzly Slough
Lisbon Weir
Prospect Island
Sherman Island:
Whale's Belly
Twitchell Island:
Setback Levee
Twitchell Island:
West End
Wings Landing
Winter Island
Yolo Bypass Floodplain
& Salmonid Restoration

CONSTRUCTION

Decker Island
Dutch Slough
Fremont Weir
Adult Fish Passage
Hill Slough
McCormack Williamson
Tract
Southport Setback Levee
Tule Red
Yolo Flyway Farms

MONITORING,
ADAPTIVE MGMT,
PROPERTY
MAINTENANCE

Knights Landing
Outfall Gate
Lindsey Slough
Sherman Island:
Mayberry Farms
Sherman Island:
Mayberry Slough
Setback Levee
Sherman Island:
Whale's Mouth
Twitchell Island:
East End
Wallace Weir
Modification





PROJECTS UNDER CONSTRUCTION



Dutch Slough Tidal Marsh

1,187 acres

Contra Costa County

Breach 2021

DWR Delta Levees Program



Decker Island Tidal Marsh

140 acres

Solano County

Breach in 2018 (finished)

DWR and DFW Fish Restoration Program



PROJECTS UNDER CONSTRUCTION (CONTINUED)



Yolo Flyway Farms Tidal Marsh

350 acres

Yolo County

Breach in 2018 (finished)

DWR Fish Restoration Program



Fremont Weir Adult Fish Passage Improvement

Modification of fish ladder

Yolo County

Construction finished in 2018

DWR and US Bureau of Reclamation



PROJECTS UNDER CONSTRUCTION (CONTINUED)



McCormack Williamson Tract - Tidal Marsh and Floodplain Habitat Restoration

~1,500 acres

Sacramento County

Protecting existing infrastructure (2018), breach TBD
DWR - North Delta Flood Control & Ecosystem
Restoration Project



PUBLIC OUTREACH CAMPAIGN 2018

- Fremont Weir Adult Fish Passage - groundbreaking May 30th
- Dutch Slough - groundbreaking October 17th
- Outreach videos for individual sites and EcoRestore Initiative





INSTITUTIONAL CHALLENGES

- Moving beyond “one-off” resolutions → to programmatic approaches
- Actively engaged in resolving a variety of implementation issues, including:



Developing more dynamic contracting and land acquisition processes



Increasing collaboration between project proponents and regulatory agencies



Working with public agencies and non-profit partners to make project permitting more efficient



Planning for long-term property and operations management on restoration sites



DYNAMIC CONTRACTING & LAND ACQUISITION

- Request for Proposals – turn key tidal restoration
- Engaging the private sector in project delivery





STREAMLINED PERMITTING PROCESSES

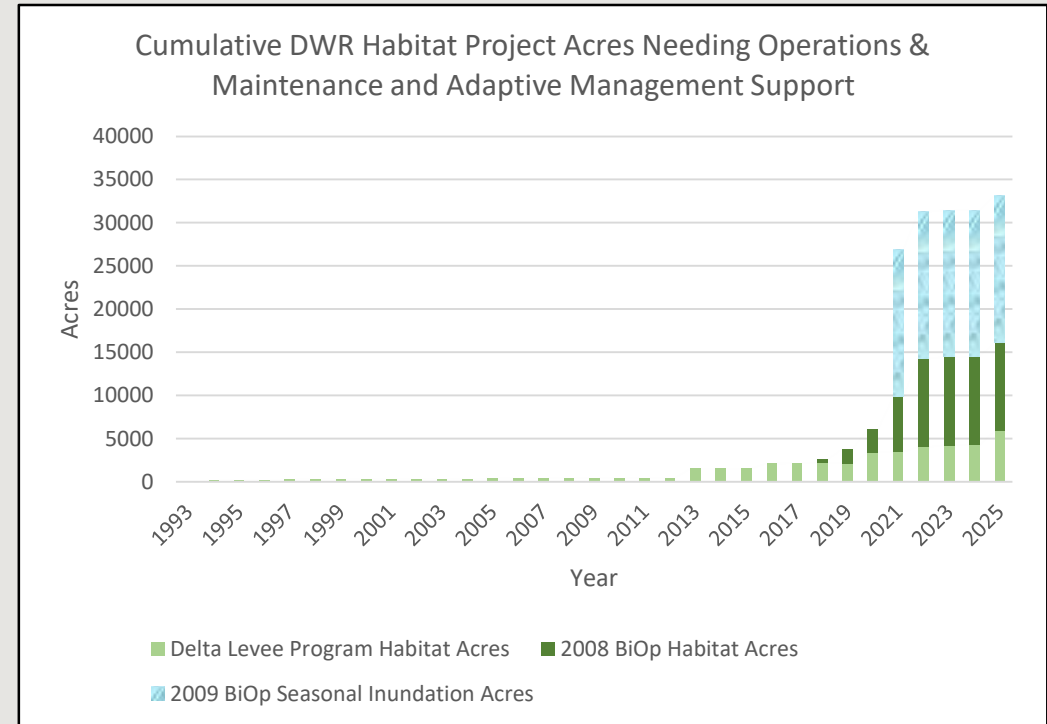
- Programmatic permits for habitat projects
- Public Access planning





LONG TERM O&M

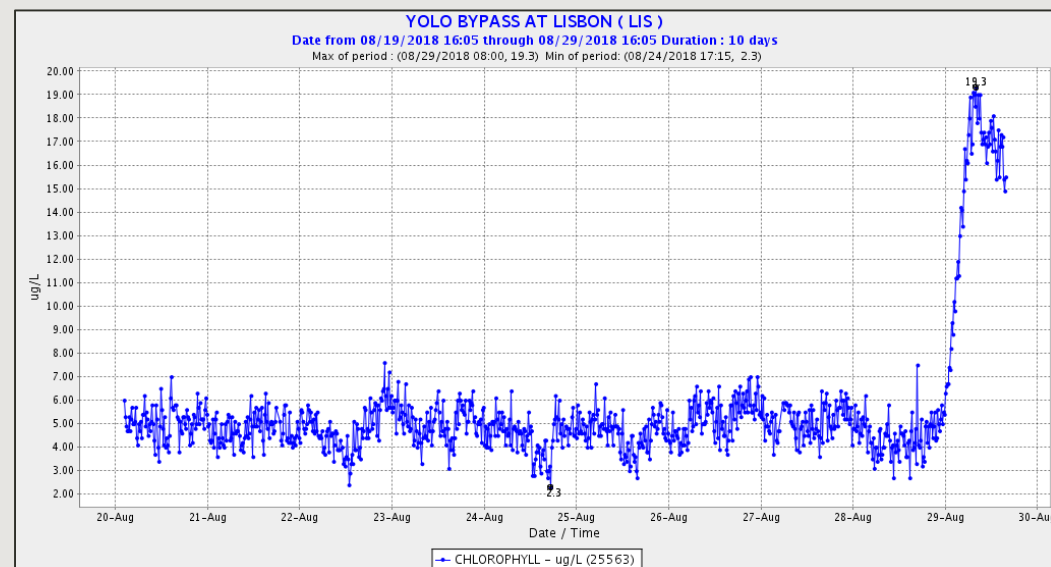
- Coordinated approach to evaluating Long Term O&M
- First success!





RESILIENCY STRATEGIES

- Actions undertaken in 2018:
 - North Delta Flow Pulse
 - Construction of Western Outflow (Roaring River)
 - Salinity Gate Reoperation





MORE INFORMATION

<http://resources.ca.gov/ecorestore/>

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 California EcoRestore

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